

## Contact

kbradfor@alumni.cmu.edu

[www.linkedin.com/in/kathryn-bradford-eit-85369971](http://www.linkedin.com/in/kathryn-bradford-eit-85369971) (LinkedIn)

## Top Skills

Microsoft Office

Matlab

Research

## Languages

English (Native or Bilingual)

Spanish (Limited Working)

## Certifications

OSHA HAZWOPER Certified

## Honors-Awards

NIOSH Fellowship Training Grant Recipient

Baity Fellowship Fund Scholarship Recipient

Exceptional Student Performance in EPP Project Courses

Environmental Research Award

ARC Conference Poster Presentation Recipient

## Publications

A Heat Vulnerability Index and Adaptation Solutions for Pittsburgh, Pennsylvania

# Kathryn Bradford, EIT

Hydraulic Engineer

Raleigh-Durham, North Carolina Area

## Summary

Driven individual with a technical background that wants to pursue a career in environmental sustainability internationally with a strong attention on policy.

## Experience

MI ENGINEERING, PLLC

Hydraulic Engineer

February 2019 - Present

Raleigh, North Carolina

Stantec

Water Resources Specialist

April 2018 - February 2019 (11 months)

Raleigh-Durham, North Carolina Area

University of North Carolina at Chapel Hill

Research Assistant

March 2016 - August 2018 (2 years 6 months)

Chapel Hill, NC

My research is on the space/time mapping analysis of exposure to groundwater PCE/TCE/DCE across NC, and quantifying the association between that exposure and renal cancer. Exposure to groundwater PCE/TCE/DCE includes both occupational exposure (from vapor intrusion into buildings) as well as environmental exposure (from private wells). I will eventually perform a Land Use Regression/Bayesian Maximum Entropy analysis to obtain space/time estimates of exposure.

Southeast Rural Community Assistance Project, Inc. (SERCAP)

Technical Assistance Provider

April 2017 - March 2018 (1 year)

Raleigh-Durham, North Carolina Area

University of North Carolina at Chapel Hill

### Graduate Teaching Assistant

August 2016 - January 2018 (1 year 6 months)

Chapel Hill, NC

Teaching Assistant for Temporal GIS, which uses ArcGIS and BME to understand the spatial and temporal relationship between different variables for a given dataset.

### Cornerstone Environmental Group, LLC

Environmental Consultant Intern

May 2016 - August 2016 (4 months)

Middletown, NY

Provided assistance for multiple environmental engineering projects including but not limited to Superfund remediation, landfill construction cost estimation, and post closure engineering economic analysis and method development for establishing state and national post-closure regulations for landfills.

### University of North Carolina at Chapel Hill

Research Assistant

August 2015 - January 2016 (6 months)

Chapel Hill, North Carolina

Under funding from the FAA, I am evaluating the EPA's CMAQ model and using it to better understand how airplane emissions impact the surrounding regions.

### Alcoa

Environmental Engineering Intern

May 2015 - August 2015 (4 months)

Point Comfort, TX

Improved efficiencies and reliabilities for several existing systems using various skills such as programming, communication, surveying, cost analysis, and design.

### Carnegie Mellon University

Research Assistant

January 2014 - May 2015 (1 year 5 months)

Analyzing Pittsburgh's Heat Vulnerability Index and proposing solutions for cost efficient mitigation strategies.

Presented my research at the ARC Conference in LA (December 2014)

Received the first place environmental research award for my work (May 2015)

Carnegie Mellon University

Student

August 2011 - May 2015 (3 years 10 months)

Dancers Symposium Director

Vice President of Public Relations, Delta Delta Delta Fraternity

Greek Sing Chair, Delta Delta Delta Fraternity

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## Education

University of North Carolina at Chapel Hill

Master's Degree, Environmental/Environmental Health

Engineering · (2015 - 2017)

Carnegie Mellon University

Bachelor of Science (B.S.), Civil & Environmental Engineering and Engineering

& Public Policy · (2011 - 2015)